

**Mississippi Department of Environmental Quality
Water Quality Data
Monthly Grab Samples**

Gulfport West Beach Water Quality Data 2013

The following water quality data was sampled in 2013 at Gulfport West Beach, latitude of 30.35516667 and longitude of -89.11458333 in Harrison County, Mississippi. The samples were taken as monthly grab samples at a depth of 1.5 feet.

Date	Time	Temp °C	DO mg/L	pH	Salinity ppt	TOC mg/L	NH3 mg/L	NO2-NO3 mg/L	TKN mg/L	TP mg/L	TSS mg/L	Turbidity,NTU	Chl-a ug/L
1/7/13	14:06	12.78	10.46	8.09	27.92	8	< MQL (.04)	< MQL (.02)	.16	.07	24	5.9	2.7
2/20/13	14:36	13.97	11.16	8.17	13.29	13	< MQL (.04)	.04	.45	0.07	101	12.2	10.2
3/18/13	13:26	21.55	9.53	8.03	13.97	13	< MQL (.04)	.04	.25	.03	16	6.76	3.9
4/8/13	13:11	24.83	8.41	8.07	20.7	6	< MQL (.04)	.08	.22	.06	44	13.8	3.5
5/14/13	11:56	23.95	9.23	7.87	12.55	10	< MQL (.04)	< MQL (.02)	.35	< MQL (.02)	38	4.8	5.4
6/12/13	11:17					10	< MQL (.04)	< MQL (.02)	.4	.07	33		6.4
7/10/13	13:46	32.6	7.18	8.18	22.86	13	< MQL (.04)	.14	.39	.09	76	16.9	12.6
8/20/13	13:24	31.95	9.18	8.12	21.81	10	< MQL (.04)	< MQL (.02)	.53	.09	29	7.86	11.1
9/17/13	12:28	30.22	8.58	8	22.05	11	< MQL (.04)	< MQL (.02)	.37	.09	22	11.68	6.7
10/15/13	12:10	27.55	8.74	7.96	20.82	10	< MQL (.04)	< MQL (.02)	.47	.11	36	12.7	9.1
11/15/13	10:49	15.57	9.63	7.75	25.47	4	< MQL (.04)	< MQL (.02)	.32	.05	30	7.3	4.3
12/3/13	12:38	17.29	8.79	7.84	26.48	7	< MQL (.04)	< MQL (.02)	.38	< MQL (.02)	63	11.3	5.1

Gulfport Harbor Beach Water Quality Data 2013

The following water quality data was sampled in 2013 at Gulfport Harbor Beach, latitude of 30.36736111 and longitude of -89.07972222 in Harrison County, Mississippi. The samples were taken as monthly grab samples at a depth of 1.5 feet.

Date	Time	Temp °C	DO mg/L	pH	Salinity ppt	TOC mg/L	NH3 mg/L	NO2-NO3 mg/L	TKN mg/L	TP mg/L	TSS mg/L	Turbidity,NTU	Chl-a ug/L
1/7/13	14:22	13.08	11.09	8	26.71	7	< MQL (.04)	< MQL (.02)	< MQL (.1)	.06	44	11.5	4.3
2/20/13	14:53	14.31	10.24	8.13	14.9	11	< MQL (.04)	.05	< MQL (.1)	.12	105	21.8	10.5
3/18/13	13:38	23.14	10.25	8.08	16.15	9	< MQL (.04)	< MQL (.02)	.37	.07	102	30.7	8.2
4/8/13	13:20	26.68	8.66	8.15	19.03	7	< MQL (.04)	< MQL (.02)	.4	.11	218	38.1	14.2
5/14/13	12:12	24.4	11.13	8.15	15.1	10	< MQL (.04)	< MQL (.02)	.32	.02	41	7.13	6.1
6/12/13	11:25	30.89	9.11	8.32	8.57	10	< MQL (.04)	< MQL (.02)	.46	.07	28	6.59	9.6
7/10/13	14:03	32.61	10.75	8.46	22.42	7	< MQL (.04)	.13	.5	.1	51	7.83	22.2
8/19/13	13:52	31.8	12.81	8.33	19.7	13	< MQL (.04)	< MQL (.02)	.66	.09	31	7.63	36
9/17/13	12:47	30.64	8.44	8.15	20.33	12	< MQL (.04)	.03	.61	.1	44	15.5	10.1
10/15/13	12:26	27.38	11.13	8.15	20.91	10	< MQL (.04)	< MQL (.02)	.63	.18	94	36.4	21.8
11/15/13	11:06	15.51	9.68	7.83	24.46	4	< MQL (.04)	< MQL (.02)	.36	.1	77	27.6	12.4
12/3/13	12:57	18.21	10.69	8.1	27.12	8	< MQL (.04)	< MQL (.02)	.37	.06	41	8.26	6.1

Gulfport Central Beach Water Quality Data 2013

The following water quality data was sampled in 2013 at Gulfport Central Beach, latitude of 30.375 and longitude of -89.05391667 in Harrison County, Mississippi. The samples were taken as monthly grab samples at a depth of 1.5 feet.

Date	Time	Temp °C	DO mg/L	pH	Salinity ppt	TOC mg/L	NH3 mg/L	NO2-NO3 mg/L	TKN mg/L	TP mg/L	TSS mg/L	Turbidity,NTU	Chl-a ug/L
1/7/13	14:39	13.99	10.31	7.98	26.2	7	< MQL (.04)	< MQL (.02)	.2	.06	36	10.3	4.2
2/20/13	15:14	15.27	10.42	8.08	15.52	13	< MQL (.04)	< MQL (.02)	.34	.16	119	25.5	10.2
3/18/13	13:56	21.38	9.15	8.02	16.04	9	< MQL (.04)	< MQL (.02)	< MQL (.1)	.05	63	16.3	7.8
4/8/13	13:32	24.75	7.38	8	18.32	8	< MQL (.04)	.06	.09	.11	159	37.9	11.7
5/14/13	12:40	25.7	10.04	8.16	14.01	7	< MQL (.04)	< MQL (.02)	.27	< MQL (.02)	54	12.9	9
6/12/13	12:03	31.72	8.02	8.34	8.81	9	< MQL (.04)	< MQL (.02)	.5	.11	110	14.7	10.6
7/16/13	14:51	28.34	7.1	7.97	17.72	8	< MQL (.04)	< MQL (.02)	1.29	.22	182	63.5	41.3
8/20/13	13:41	30.42	9.91	8.08	20.08	12	< MQL (.04)	< MQL (.02)	.89	.14	96	19.1	31.7
9/17/13	13:03	30.64	7.95	8.1	19.78	11	< MQL (.04)	.03	.68	.17	60	19.1	18.3
10/15/13	12:40	27.48	9.77	8.03	21.43	10	< MQL (.04)	< MQL (.02)	.69	.17	86	25.9	8.3
11/15/13	11:19	14.89	9.91	7.74	25.06	5	< MQL (.04)	< MQL (.02)	.45	.12	113	46	16.5
12/3/13	13:10	18.94	9.51	8.03	26.49	8	< MQL (.04)	< MQL (.02)	.63	.14	119	16.8	14.1

Legend:

- | | |
|----------------------------------|-----------------------------|
| Chl-a Chlorophyll-a | TKN Total Kjeldhal Nitrogen |
| DO Dissolved Oxygen | TOC Total Organic Carbon |
| mg/L milligrams per liter | TP Total Phosphorus |
| MQL Method Quantification Limits | TSS Total Suspended Solids |
| NH3 Ammonia-Nitrogen | ug/L micrograms per liter |
| NO2-NO3 Nitrite-Nitrate | |



**Mississippi Department of Environmental Quality
Water Quality Data
Monthly Grab Samples**

Courthouse Road Beach Water Quality Data 2013

The following water quality data was sampled in 2013 at Courthouse Road Beach, latitude of 30.3772 and longitude of -89.04330833 in Harrison County, Mississippi. The samples were taken as monthly grab samples at a depth of 1.5 feet.

Date	Time	Temp °C	DO mg/L	pH	Salinity ppt	TOC mg/L	NH3 mg/L	NO2-NO3 mg/L	TKN mg/L	TP mg/L	TSS mg/L	Turbidity,NTU	Chl-a ug/L
1/8/13	14:25	12.41	9.26	7.89	24.14	12	< MQL (.04)	< MQL (.02)	.22	.15	136	17.7	7.7
2/6/13	14:50	18.04	8.86	7.92	15.08	10	< MQL (.04)	< MQL (.02)	.16	.03	44	11.6	7.4
3/12/13	13:59	17.53	9.71	8.07	18.08	10	< MQL (.04)	< MQL (.02)	.29	.04	29	6.6	8.6
4/16/13	12:52	24.85	8.85	7.77	11.6	9	< MQL (.04)	< MQL (.02)	2.52	.46	474	42	58.4
5/13/13	12:56	21.55	8.6	8.04	13.88	6	< MQL (.04)	.02	1.41	.17	171	32.6	31.4
6/12/13	12:14	31.22	7.35	8.27	8.68	9	< MQL (.04)	< MQL (.02)	.43	.07	21	7.25	10.1
7/16/13	14:59	28.34	7.06	7.92	16.69	9	< MQL (.04)	< MQL (.02)	1.45	.3	211	50.2	40.3
8/20/13	13:51	30.96	9.87	8.34	20.12	12	< MQL (.04)	< MQL (.02)	.77	.12	35	10.5	29.2
9/17/13	13:17	30.48	7.84	8.19	19.72	10	< MQL (.04)	.03	.75	.18	60	18.1	13.7
10/15/13	12:52	27.74	9.67	7.97	20.43	9	< MQL (.04)	.03	.79	.22	141	44.2	23.2
11/15/13	11:36	15.33	9.48	7.83	23.77	6	< MQL (.04)	< MQL (.02)	.58	.16	194	59.4	17.2
12/3/13	13:20	16.56	9.48	7.92	27.04	6	< MQL (.04)	< MQL (.02)	.67	.1	78	15	11.9

Gulfport East Beach Water Quality Data 2013

The following water quality data was sampled in 2013 at Gulfport East Beach, latitude of 30.38091667 and longitude of -89.02663889 in Harrison County, Mississippi. The samples were taken as monthly grab samples at a depth of 1.5 feet.

Date	Time	Temp °C	DO mg/L	pH	Salinity ppt	TOC mg/L	NH3 mg/L	NO2-NO3 mg/L	TKN mg/L	TP mg/L	TSS mg/L	Turbidity NTU	Chl-a ug/L
1/8/13	14:38	12.9	9.29	7.98	24.71	11	< MQL (.04)	< MQL (.02)	.16	.07	41	8.4	4.3
2/6/13	15:07	18.01	8.8	7.95	15.75	10	< MQL (.04)	.03	.18	.04	26	6.66	5.2
3/12/13	14:10	17.57	9.46	7.89	15.27	12	< MQL (.04)	.06	.57	.08	28	6.78	7.6
4/16/13	13:06	25.83	9.54	8.16	12.61	7	< MQL (.04)	< MQL (.02)	.64	.09	67	16.2	9.5
5/13/13	13:10	22.21	8.64	8.17	14.56	8	< MQL (.04)	< MQL (.02)	1.12	.12	93	23.6	16.6
6/12/13	12:28	31.35	8.2	8.38	8.49	10	< MQL (.04)	< MQL (.02)	.5	.07	20	5.35	9.1
7/16/13	15:10	28.42	7.07	7.96	17.38	8	< MQL (.04)	< MQL (.02)	1.33	.23	157	40.4	26.1
8/20/13	14:07	31.12	9.04	8.32	20.21	12	< MQL (.04)	< MQL (.02)	.79	.31	56	17.9	24.6
9/17/13	13:27	30.79	9.39	8.2	19.65	11	< MQL (.04)	.03	.79	.16	36	11.3	13.1
10/15/13	13:05	27.99	9.41	8.05	20.48	10	< MQL (.04)	< MQL (.02)	.88	.18	94	44.5	21.1
11/15/13	11:47	15.37	11.33	7.65	24.82	5	< MQL (.04)	< MQL (.02)	.4	.09	137	29.7	9.3
12/3/13	13:34	18.87	9.95	8.12	26.12	7	< MQL (.04)	< MQL (.02)	.51	.08	30	8.65	9.1

Legend:

- | | |
|----------------------------------|-----------------------------|
| Chl-a Chlorophyll-a | TKN Total Kjeldhal Nitrogen |
| DO Dissolved Oxygen | TOC Total Organic Carbon |
| mg/L milligrams per liter | TP Total Phosphorus |
| MQL Method Quantification Limits | TSS Total Suspended Solids |
| NH3 Ammonia-Nitrogen | ug/L micrograms per liter |
| NO2-NO3 Nitrite-Nitrate | |

